

## ABSTRACT

A control device (30) determines whether a motor generator (MG) is controlled in a PWM control mode, an overmodulation control mode or a rectangular-wave control mode. If a command to perform a boosting operation by a voltage step-up converter (11) is issued while the motor generator (MG) is controlled in the rectangular-wave control mode, the control device (30) controls an inverter (20) to drive the motor generator (MG) by switching the control mode to the overmodulation or PWM control mode. Further, the control device (30) controls the inverter (20) to drive the motor generator (MG) by suppressing increase of a torque command value (TR).